

Solar Juice Series

Off-grid Inverter



Key Parameters	24V 3.5 kW	48V 5.5 kW
Model	G3000	G5000
Battery		
Type	Li-ion/Lead-acid	
Voltage (V)	24	48
Inverter Output		
Nominal Power (W)	3500	5500
Nominal Apparent Power (VA)	3500	5500
Parallel Capacity	No	9 unis max.
AC Voltage Regulation (Battery Mode)	230 Vac±5%@50/60 Hz	
Surge Power (VA)	6000	10000
Efficiency (Peak)	93%	
Waveform	Pure Sinewave	
Transfer Time	10 ms (for personal computers), 15 ms (for home appliances)	
Solar Charge		
Max. PV Array Power (W)	4000	6000
MPPT Range @ Operating Voltage	120 Vdc ~ 430 Vdc	
Number of Independent MPPT	1	
Number of Strings per MPPT	1	
Max. Input Current per MPPT (A)	16	18
Max. PV Array Open Circuit Voltage (V)	500 Vdc	
Max. Solar Charge Current (A)	120	80
AC Charger		
Max. AC Charge Current (A)	120	80
AC Input Voltage (V)	230 Vac	
Voltage Range (V)	170-280 Vac (Personal Computers), 90-280 Vac (Home Appliances)	
Frequency Range (Hz)	50/60	
General		
User Interface	APP+LCD Display+LED	
Communication	USB, Optional: Wi-Fi, 4G,GPRS, RS485/CAN, Dry Contact	
Ingress Protection Rating	IP 54	
Dimension (W*H*D, mm)	300*450*110.5	
Weight (kg)	7.5	
Relative Humidity (%)	20 ~ 95	
Max. Operating Altitude (m)	2000, Derating > 1000	
Operating Temp (°C)	0~50	
Storage Temp (°C)	-15 ~ 60	
Protection		
PV Over Voltage	yes	
PV Over Current	yes	
Battery Over Voltage	yes	
Battery Over Current	yes	
AC Surge	Type III	
Output Over Current	yes	
Output Over Voltage	yes	